Special Issue

Soil and Plant Restoration after Wildfire

Message from the Guest Editors

Dear colleagues, Wildfires are a natural disturbance factor in Mediterranean forest ecosystems, where climate change and fire suppression have altered natural fire patterns. High-intensity fires modify the hydrologic response of soil and enhance its degradation, removing vegetation and altering chemical, physical, and biological soil properties. Therefore, mitigation of post-fire effects is compulsory in order to reduce soil exposure to hydrological and quality degradation. Post-fire treatments may be divided into three categories: (i) emergency stabilization; (ii) rehabilitation; and (iii) restoration. Many experiments developed in the USA and Europe have shown that long-term rehabilitation and restoration actions are often focused on the biotic components of the ecosystem. For these activities, recovery of native plant communities and habitats, maintenance of plant biodiversity, re-establishment of timber or grazing species, and control of invasive weeds are the most important targets. The objectives of this session are to bring together experiences from different parts of the world on plant and soil recovery after wildfires.

Guest Editors

Dr. Manuel Esteban Lucas-Borja

Department of Agroforestry Technology and Science & Genetics, School of Advanced Agricultural & Forestry Engineering, Castilla La Mancha University, Campus Universitario s/n, C.P. 02071 Albacete, Spain

Dr. Demetrio Antonio Zema

Department of Agricultural Science (AGRARIA), Mediterranean University of Reggio Calabria, 89127 Reggio Calabria, Italy

Deadline for manuscript submissions

closed (25 September 2023)

Forests

an Open Access Journal by MDPI

Impact Factor 2.4
CiteScore 4.4

mdpi.com/si/58667

Forests
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
forests@mdpi.com

mdpi.com/journal/forests

Forests

an Open Access Journal by MDPI

Impact Factor 2.4
CiteScore 4.4

mdpi.com/journal/forests

MDPI

About the Journal

Message from the Editorial Board

Forests (ISSN 1999-4907) is an international and cross-disciplinary, scholarly forestry journal. The distinguished editorial board and refereeing process ensures the highest degree of scientific rigor and review of all published articles. Original research articles and timely reviews are released online, with unlimited free access. Our goal is to have *Forests* be recognized as one of the foremost publication outlets for high quality, leading edge research in this broad and diverse field. We therefore invite you to be one of our authors, and in doing so share your important research findings with the global forestry community.

Editors-in-Chief

Prof. Dr. Cate Macinnis-Ng
Department of Biological Sciences, Faculty of Science, University of Auckland, Private Bag 92019, Auckland 1142, New Zealand

Prof. Dr. Giacomo Alessandro Gerosa
Department of Mathematics and Physics, Catholic University of Brescia, I-25121 Brescia, Italy

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, GEOBASE, PubAg, AGRIS, PaperChem, and other databases.

Journal Rank:

JCR - Q1 (Forestry) / CiteScore - Q1 (Forestry)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.9 days after submission; acceptance to publication is undertaken in 2.5 days (median values for papers published in this journal in the first half of 2024).